



1803 Philadelphia Street
Indiana, PA 15701
P: (724) 463-8378
F: (724) 465-4209
PADEP: 32-00382

1276 Bentleyville Road
Van Voorhis, PA 15366
P: (724) 258-8378
F: (724) 258-8376
PADEP: 63-04247

435 Broad Street
Montoursville, PA 17754
P: (570) 321-9002
F: (570) 321-1957
PADEP: 41-04880

950 West Main Street
Sharpsville, PA 16150
P: (724) 463-8378 x 500
F: (724) 465-4209
PADEP: 43-04934

19 October 2018

Seneca Nation Health System
Attn: Shannon Seneca
987 RC Hoag Drive
Salamanca, NY 14779

Work Order: 8092193
Project: SOC, VOC, Organics and Metals
Project Description: SOC, VOC, Organics and Metals

Report of Analysis

| Client Sample ID | Lab Sample ID | Matrix | Date Sampled | Date Received | Sample Notes |
|------------------|---------------|--------|--------------|---------------|--------------|
|------------------|---------------|--------|--------------|---------------|--------------|

Report Narrative

The results contained in this report are only representative of the samples received. Environmental Service Laboratories, Inc. is not responsible for use or interpretation of the data included herein.

Definitions

RL Reporting Limit

Certifications

Analyses performed by Environmental Service Laboratories, Inc., Indiana PA unless otherwise specified.

Approved By

Sean Mintzer for Jessica Stile
Project Manager





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Reported:

Lab Sample ID#:
Sample Type:
Sample Source:
Sampler:
Client Sample ID:
Alias Sample ID:

Receipt Date:

| Analyte | Sample Result | Units | Data Qualifier | RL | Analyst/ Certification | Prep Date/Time | Analysis Date/Time |
|---------|------------------|-------|-------------------|----|---------------------------|-------------------|-----------------------|
|---------|------------------|-------|-------------------|----|---------------------------|-------------------|-----------------------|

Sample Start Date:
Receipt Date:
Sample Source:
Sampler:
Sample Site:
Latitude:
Longitude:

Lab Sample ID#:
Sample Type:
Client Sample ID:
Well Depth:
Property Owner:
Address:
City/State/Zip:

| Analyte | Sample Result | Units | Data Qualifier | RL | Analyst/ Certification | Prep Date/Time | Analysis Date/Time |
|---------|------------------|-------|-------------------|----|---------------------------|-------------------|-----------------------|
|---------|------------------|-------|-------------------|----|---------------------------|-------------------|-----------------------|

Analytical Method:

Prep Method:



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PADEP: 43-04934

Reported:

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|--------------|----------------|-----|--------------|-------|
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

ENVIRONMENTAL SERVICE LABORATORIES, INC.

SAMPLE REQUEST & CHAIN OF CUSTODY

PAGE _____ OF _____



8092193

HEADQUARTERS
1803 Philadelphia St.
Indiana, PA 15701
(724) 463-TEST
FAX: (724) 465-4209

SOUTHERN DIVISION
1276 Bentleyville Road
Van Voorhis, PA 15366
(724) 258-TEST
FAX: (724) 258-8376

NORTHERN DIVISION
1200 River Avenue
Williamsport, PA 17701
(570) 321-9003
FAX: (570) 321-1957

FOR INTERNAL LABORATORY USE ONLY

| Sample Identification | ESL# | Sample Type | | | | Matrix | # of Containers | Container Type Preservative | Analysis Requested |
|-----------------------|------|-------------|-------------|---------|------|--------|-----------------|-----------------------------------|---|
| | | Composite | | Grab | | | | | |
| | | Date on/off | Time on/off | Date | Time | | | | |
| JCWS | 01 | | | 9/24/18 | 0752 | DW | 2 ✓ | 40 ML CLEAR VIAL Na2S2O3 | SOC 504 |
| | | | | | | DW | 2 ✓ | 40 ML CLEAR VIAL Na2S2O3 | SOC 505 |
| | | | | | | DW | 4 ✓ | 250 ML AMBER GLASS Na2S2O3 | SOC 515 / SOC 548 |
| | | | | | | DW | 2 ✓ | AMBER GLASS Sodium Sulfite/HCL | SOC 525 |
| | | | | | | DW | 2 ✓ | AMBER GLASS Na2S2O3 | SOC 1613 |
| | | | | | | DW | 2 ✓ | 40 ML CLEAR VIAL Na2S2O3 | SOC 547 |
| | | | | | | DW | 1 ✓ | 1 L HDPE AMBER Na2S2O3 | SOC 549 |
| | | | | | | DW | 2 ✓ | 40 ML AMBER VIAL MAB BUFFER | SOC 531.1 |
| | | | | | | | | | |
| | 01 | | | 9/24/18 | 0752 | | 1 ✓ | 250 ML AMBER GLASS Na2S2O3 | For 531.1 collection only. Follow sampling instructions on kit to fill 2 sample vials |
| Trip Blank | 02 | | | | | DW | 2 ✓ | 40 ML CLEAR VIAL Na2S2O3 | SOC 504 |

THE UNDERSIGNED PURCHASER HEREBY AGREES TO PAY SERVICE CHARGES ON ACCOUNTS OVER 31 DAYS OLD.
 1. THESE SERVICE CHARGES WILL ACCRUE AT THE RATE OF 1 1/2% PER MONTH (18% PER ANNUM OR THE MAXIMUM ALLOWED BY LAW.)
 2. THE UNDERSIGNED PURCHASER AGREES TO PAY, IN THE EVENT HIS ACCOUNT BECOMES DELINQUENT AND IS TURNED OVER TO ANY ATTORNEY FOR COLLECTION, REASONABLE ATTORNEY'S FEES PLUS ALL COURT AND ATTENDANT COLLECTION COSTS.

Sampled By: (Signature) *Rachel D. Thomas* Date/ Time 9/24/18 0752
 Relinquished By: (Signature) *Rachel D. Thomas* Date/ Time 9/24/18 1555
 Relinquished By: (Signature) _____ Date/ Time _____
 Relinquished By: (Signature) _____ Date/ Time _____

Received By: (Signature) *[Signature]* Date/ Time 9-24-18 1150
 Received By: (Signature) _____ Date/ Time _____
 Received By: (Signature) _____ Date/ Time _____


Project Notes:
SOC'S (NY Samples)
 Company/Name: **Seneca Nation DOH**
 Contact Person: **Shannon Seneca**
 Address: **36 Thomas Indian School Drive
Irving, NY 14081**
 Phone: **716-954-5894**
 Email: **shannon.seneca@senecahealth.org**



ENVIRONMENTAL
SERVICE LABORATORIES, INC.

SAMPLE RECEIPT AND REVIEW FORM

PART A: General Information

| | | | |
|---|---|--|-------------------------|
| Client: <u>Seneea (JCMS SOC)</u> | | Work Order:  8092193 | |
| Received by: <u>LD</u> | Date/Time Received: <u>9/24/18 1630</u> | Date Sampled: <u>9/24/18</u> | |
| Method of Delivery: Fedex UPS Client Drop off | ESL Courier Other: _____ | | |
| Sample Receipt Temp: <u>5.3</u> IR Gun # Used: 1 <u>2</u> 3 <u>41</u> | Samples Received on Ice: <u>YES</u> NO | | |
| Samples Removed by Satellite Lab Division: Southern(BV) Northwest(NW) Northern(WP) | Containers removed by Satellite Lab for analysis of: | TCMPN ECMPN | Fecal Coliform TC/EC |
| Sample State of Collection: <u>PA</u> <u>NY</u> OH WV Other: _____ | PWSID COMPLIANCE DRINKING WATER SAMPLES: YES <u>NO</u> | | |

PART B: Receipt Details

Completed (if different from above): _____
Signature _____ / / _____
Date _____ Time _____

| Sample Receipt Criteria | | Comments/Qualifiers (Required for Non-Conforming Items) | Deficiency Log Required |
|--|-------------------|---|--------------------------------|
| 1 Chain of custody documents included with samples? | Yes No N/A | Comments: | YES NO |
| 2 COC form is properly signed in relinquished/received sections? | Yes No N/A | Comments: | YES NO |
| 3 Sample containers intact and sealed? | Yes No N/A | Circle Applicable: Damaged container Leaking container Custody Seal Broken Other: Sample ID's affected: | YES NO |
| 4 Number of containers received match number indicated on COC? | Yes No N/A | Sample ID's and containers affected: | YES NO |
| 5 Sample ID's on COC match ID's on bottles? | Yes No N/A | Sample ID's affected: | YES NO |
| 6 Date and time on COC match date and time on bottles? | Yes No N/A | Sample ID's affected: | YES NO |
| 7 Samples received within holding time? | Yes No N/A | ID's and tests affected: | YES NO |
| 8 Samples received at appropriate pH for analysis requested? | Yes No <u>N/A</u> | Sample ID's, containers affected and observed pH: | YES NO |
| 9 Samples requiring thermal preservation within 0 ≤ 6°C? Microbiology within 0 ≤ 10°C? | Yes No N/A | For non-WV samples outside of thermal preservation range sampled same day and received on ice are considered acceptable condition as the cooling process has begun. | YES NO |
| 11 Adequate sample volume received? | Yes No N/A | Analyses Affected: | YES NO |
| 10 VOA vials free of headspace (defined as < 6mm bubble)? | Yes No <u>N/A</u> | Sample ID's and containers affected: | YES NO |
| Other Comments: | | | Deficiency Log Created: YES NO |

October 9, 2018

Reporting Group
Environmental Service Laboratories, Inc.
1803 Philadelphia Street
Indiana, PA 15701

Certificate of Analysis

| | |
|------------------------------|------------------------------|
| Project Name: 8092193 | Workorder: 2340724 |
| Purchase Order: | Workorder ID: 8092193 |

Dear Reporting Group:

Enclosed are the analytical results for samples received by the laboratory on Wednesday, September 26, 2018.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Amy K Borden (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Accounts Payable

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.



Ms. Amy K Borden
Project Coordinator

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Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

SAMPLE SUMMARY

Workorder: 2340724 8092193

| Lab ID | Sample ID | Matrix | Date Collected | Date Received | Collected By |
|------------|------------|----------------|-----------------|-----------------|---------------------|
| 2340724001 | 8092193-01 | Drinking Water | 9/24/2018 07:52 | 9/26/2018 10:11 | Collected by Client |
| 2340724002 | 8092193-02 | Drinking Water | 9/24/2018 00:00 | 9/26/2018 10:11 | Collected by Client |

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Vancouver Waterloo · Winnipeg · Yellowknife **United States:** Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York **Mexico:** Monterrey

SAMPLE SUMMARY

Workorder: 2340724 8092193

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

| | |
|--------|--|
| J | Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte |
| U | Indicates that the analyte was Not Detected (ND) |
| N | Indicates presumptive evidence of the presence of a compound |
| MDL | Method Detection Limit |
| PQL | Practical Quantitation Limit |
| RDL | Reporting Detection Limit |
| ND | Not Detected - indicates that the analyte was Not Detected at the RDL |
| Cntr | Analysis was performed using this container |
| RegLmt | Regulatory Limit |
| LCS | Laboratory Control Sample |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| DUP | Sample Duplicate |
| %Rec | Percent Recovery |
| RPD | Relative Percent Difference |
| LOD | DoD Limit of Detection |
| LOQ | DoD Limit of Quantitation |
| DL | DoD Detection Limit |
| I | Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL) |
| (S) | Surrogate Compound |
| NC | Not Calculated |
| * | Result outside of QC limits |

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ANALYTICAL RESULTS

Workorder: 2340724 8092193

Lab ID: **2340724001**
Sample ID: **8092193-01**

Date Collected: 9/24/2018 07:52 Matrix: Drinking Water
Date Received: 9/26/2018 10:11

| Parameters | Results | Flag | Units | RDL | Method | Prepared | By | Analyzed | By | Cntr |
|---------------------------------|----------------|-------------|--------------|---------------|---------------|-----------------|-----------|-----------------|-----------|-------------|
| VOLATILE ORGANICS | | | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | | ug/L | 0.019 | EPA 504.1 | 10/1/18 15:45 | BS | 10/2/18 04:59 | BS | P |
| 1,2-Dibromoethane | ND | | ug/L | 0.019 | EPA 504.1 | 10/1/18 15:45 | BS | 10/2/18 04:59 | BS | P |
| <i>Surrogate Recoveries</i> | <i>Results</i> | <i>Flag</i> | <i>Units</i> | <i>Limits</i> | <i>Method</i> | <i>Prepared</i> | <i>By</i> | <i>Analyzed</i> | <i>By</i> | <i>Cntr</i> |
| 1-Chloro-2-Fluorobenzene (S) | 104 | | % | 70 - 130 | EPA 504.1 | 10/1/18 15:45 | BS | 10/2/18 04:59 | BS | P |
| SEMIVOLATILES | | | | | | | | | | |
| Alachlor | ND | | ug/L | 0.19 | EPA 525.2 | 10/3/18 03:15 | KMR | 10/4/18 14:05 | CGS | F1 |
| Atrazine | ND | | ug/L | 0.19 | EPA 525.2 | 10/3/18 03:15 | KMR | 10/4/18 14:05 | CGS | F1 |
| gamma-BHC | ND | | ug/L | 0.094 | EPA 525.2 | 10/3/18 03:15 | KMR | 10/4/18 14:05 | CGS | F1 |
| Benzo(a)pyrene | ND | | ug/L | 0.094 | EPA 525.2 | 10/3/18 03:15 | KMR | 10/4/18 14:05 | CGS | F1 |
| Endrin | ND | | ug/L | 0.19 | EPA 525.2 | 10/3/18 03:15 | KMR | 10/4/18 14:05 | CGS | F1 |
| Di(2-Ethylhexyl)adipate | ND | | ug/L | 0.94 | EPA 525.2 | 10/3/18 03:15 | KMR | 10/4/18 14:05 | CGS | F1 |
| bis(2-Ethylhexyl)phthalate | ND | | ug/L | 0.94 | EPA 525.2 | 10/3/18 03:15 | KMR | 10/4/18 14:05 | CGS | F1 |
| Heptachlor | ND | | ug/L | 0.094 | EPA 525.2 | 10/3/18 03:15 | KMR | 10/4/18 14:05 | CGS | F1 |
| Heptachlor Epoxide | ND | | ug/L | 0.094 | EPA 525.2 | 10/3/18 03:15 | KMR | 10/4/18 14:05 | CGS | F1 |
| Hexachlorobenzene | ND | | ug/L | 0.094 | EPA 525.2 | 10/3/18 03:15 | KMR | 10/4/18 14:05 | CGS | F1 |
| Hexachlorocyclopentadiene | ND | | ug/L | 0.19 | EPA 525.2 | 10/3/18 03:15 | KMR | 10/4/18 14:05 | CGS | F1 |
| Methoxychlor | ND | | ug/L | 0.19 | EPA 525.2 | 10/3/18 03:15 | KMR | 10/4/18 14:05 | CGS | F1 |
| Simazine | ND | | ug/L | 0.19 | EPA 525.2 | 10/3/18 03:15 | KMR | 10/4/18 14:05 | CGS | F1 |
| <i>Surrogate Recoveries</i> | <i>Results</i> | <i>Flag</i> | <i>Units</i> | <i>Limits</i> | <i>Method</i> | <i>Prepared</i> | <i>By</i> | <i>Analyzed</i> | <i>By</i> | <i>Cntr</i> |
| 1,3-Dimethyl-2-Nitrobenzene (S) | 92.4 | | % | 70 - 130 | EPA 525.2 | 10/3/18 03:15 | KMR | 10/4/18 14:05 | CGS | F1 |
| IS_Perylene-d12 (S) | 99.7 | | % | 70 - 130 | EPA 525.2 | 10/3/18 03:15 | KMR | 10/4/18 14:05 | CGS | F1 |
| Pyrene-d10 (S) | 96.2 | | % | 70 - 130 | EPA 525.2 | 10/3/18 03:15 | KMR | 10/4/18 14:05 | CGS | F1 |
| Triphenylphosphate (S) | 98.6 | | % | 70 - 130 | EPA 525.2 | 10/3/18 03:15 | KMR | 10/4/18 14:05 | CGS | F1 |
| PESTICIDES | | | | | | | | | | |
| Chlordane | ND | | ug/L | 0.49 | EPA 505 | 9/28/18 13:00 | BS | 9/28/18 17:57 | BS | I |
| Polychlorinated Biphenyls | ND | | ug/L | 3.4 | EPA 505 | 9/28/18 13:00 | BS | 9/28/18 17:57 | BS | I |
| Toxaphene | ND | | ug/L | 2.0 | EPA 505 | 9/28/18 13:00 | BS | 9/28/18 17:57 | BS | I |
| Aroclor-1016 | ND | | ug/L | 0.49 | EPA 505 | 9/28/18 13:00 | BS | 9/28/18 17:57 | BS | I |
| Aroclor-1221 | ND | | ug/L | 0.49 | EPA 505 | 9/28/18 13:00 | BS | 9/28/18 17:57 | BS | I |
| Aroclor-1232 | ND | | ug/L | 0.49 | EPA 505 | 9/28/18 13:00 | BS | 9/28/18 17:57 | BS | I |
| Aroclor-1242 | ND | | ug/L | 0.49 | EPA 505 | 9/28/18 13:00 | BS | 9/28/18 17:57 | BS | I |
| Aroclor-1248 | ND | | ug/L | 0.49 | EPA 505 | 9/28/18 13:00 | BS | 9/28/18 17:57 | BS | I |
| Aroclor-1254 | ND | | ug/L | 0.49 | EPA 505 | 9/28/18 13:00 | BS | 9/28/18 17:57 | BS | I |

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ANALYTICAL RESULTS

Workorder: 2340724 8092193

Lab ID: **2340724001**
Sample ID: **8092193-01**

Date Collected: 9/24/2018 07:52 Matrix: Drinking Water
Date Received: 9/26/2018 10:11

| Parameters | Results | Flag | Units | RDL | Method | Prepared | By | Analyzed | By | Cntr |
|-----------------------------------|----------------|-------------|--------------|---------------|---------------|-----------------|-----------|-----------------|-----------|-------------|
| Aroclor-1260 | ND | | ug/L | 0.49 | EPA 505 | 9/28/18 13:00 | BS | 9/28/18 17:57 | BS | I |
| <i>Surrogate Recoveries</i> | <i>Results</i> | <i>Flag</i> | <i>Units</i> | <i>Limits</i> | <i>Method</i> | <i>Prepared</i> | <i>By</i> | <i>Analyzed</i> | <i>By</i> | <i>Cntr</i> |
| Tetrachloro-m-xylene (S) | 108 | | % | 70 - 130 | EPA 505 | 9/28/18 13:00 | BS | 9/28/18 17:57 | BS | I |
| HERBICIDES | | | | | | | | | | |
| 2,4-D | ND | | ug/L | 1.0 | EPA 515.3 | 10/2/18 18:40 | AT | 10/7/18 12:21 | KJH | A |
| Dalapon | ND | | ug/L | 4.0 | EPA 515.3 | 10/2/18 18:40 | AT | 10/7/18 12:21 | KJH | A |
| Dinoseb | ND | | ug/L | 1.0 | EPA 515.3 | 10/2/18 18:40 | AT | 10/7/18 12:21 | KJH | A |
| Diquat | ND | | ug/L | 2.0 | EPA 549.2 | 9/28/18 02:50 | KMR | 10/1/18 11:29 | CGS | K1 |
| Endothall | ND | | ug/L | 20.0 | EPA 548.1 | 9/28/18 12:35 | AT | 10/1/18 07:57 | CGS | L |
| Glyphosate | ND | | ug/L | 25.0 | EPA 547 | | | 10/4/18 21:09 | CGS | N |
| Pentachlorophenol | ND | | ug/L | 0.19 | EPA 515.3 | 10/2/18 18:40 | AT | 10/7/18 12:21 | KJH | A |
| Picloram | ND | | ug/L | 2.0 | EPA 515.3 | 10/2/18 18:40 | AT | 10/7/18 12:21 | KJH | A |
| 2,4,5-TP | ND | | ug/L | 0.50 | EPA 515.3 | 10/2/18 18:40 | AT | 10/7/18 12:21 | KJH | A |
| <i>Surrogate Recoveries</i> | <i>Results</i> | <i>Flag</i> | <i>Units</i> | <i>Limits</i> | <i>Method</i> | <i>Prepared</i> | <i>By</i> | <i>Analyzed</i> | <i>By</i> | <i>Cntr</i> |
| 2,4-Dichlorophenylacetic acid (S) | 91 | | % | 70 - 130 | EPA 515.3 | 10/2/18 18:40 | AT | 10/7/18 12:21 | KJH | A |
| CARBAMATES | | | | | | | | | | |
| Carbofuran | ND | | ug/L | 1.0 | EPA 531.1 | | | 10/3/18 16:26 | CGS | G |
| Oxamyl | ND | | ug/L | 1.0 | EPA 531.1 | | | 10/3/18 16:26 | CGS | G |



Ms. Amy K Borden
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2340724 8092193

Lab ID: **2340724002**
Sample ID: **8092193-02**

Date Collected: 9/24/2018 00:00 Matrix: Drinking Water
Date Received: 9/26/2018 10:11

| Parameters | Results | Flag | Units | RDL | Method | Prepared | By | Analyzed | By | Cntr |
|------------------------------|----------------|-------------|--------------|---------------|---------------|-----------------|-----------|-----------------|-----------|-------------|
| VOLATILE ORGANICS | | | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | | ug/L | 0.019 | EPA 504.1 | 10/1/18 15:45 | BS | 10/2/18 04:35 | BS | A |
| 1,2-Dibromoethane | ND | | ug/L | 0.019 | EPA 504.1 | 10/1/18 15:45 | BS | 10/2/18 04:35 | BS | A |
| <i>Surrogate Recoveries</i> | <i>Results</i> | <i>Flag</i> | <i>Units</i> | <i>Limits</i> | <i>Method</i> | <i>Prepared</i> | <i>By</i> | <i>Analyzed</i> | <i>By</i> | <i>Cntr</i> |
| 1-Chloro-2-Fluorobenzene (S) | 104 | | % | 70 - 130 | EPA 504.1 | 10/1/18 15:45 | BS | 10/2/18 04:35 | BS | A |



Ms. Amy K Borden
Project Coordinator

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Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 2340724 8092193

| Lab ID | Sample ID | Analysis Method | Prep Method |
|------------|------------|-----------------|-------------|
| 2340724001 | 8092193-01 | EPA 504.1 | EPA 504.1 |
| 2340724001 | 8092193-01 | EPA 505 | EPA 505 |
| 2340724001 | 8092193-01 | EPA 515.3 | EPA 515.3 |
| 2340724001 | 8092193-01 | EPA 525.2 | EPA 525.2 |
| 2340724001 | 8092193-01 | EPA 531.1 | |
| 2340724001 | 8092193-01 | EPA 547 | |
| 2340724001 | 8092193-01 | EPA 548.1 | EPA 548.1 |
| 2340724001 | 8092193-01 | EPA 549.2 | EPA 549.2 |
| 2340724002 | 8092193-02 | EPA 504.1 | EPA 504.1 |

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

SUBCONTRACT
Environmental Service
8092



Please report all results to reports@envlabs.com. Contact E&L with any questions.

SENDING LABORATORY:

Environmental Service Laboratories, Inc.
 1803 Philadelphia Street
 Indiana, PA 15701
 Phone: 724-463-8378
 Fax: 724-465-4209
 Project Manager: Jessica Stile

RECEIVING LABORATORY:

ALS Environmental
 34 Dogwood Lane
 Middletown, PA 17057
 Phone: 717/944-5541
 Fax: 717/944-1430

Client: Seneca Nation Health System

PWSID:

| Analysis | Due | Expires | Comments |
|----------|-----|---------|----------|
|----------|-----|---------|----------|

Sample ID: 8092193-01 Sample Name: JCWS SOC's
 Matrix: Drinking Water Sampled: 09/24/2018 07:52 Sample Type: Grab Sampled By: Client

| | | | |
|------------------------------|------------------|------------------|--|
| SOC 1613 2,3,7,8 TCDD Dioxin | 10/04/2018 23:00 | 09/24/2019 07:52 | |
| SOC 504 | 10/04/2018 23:00 | 10/08/2018 07:52 | |
| SOC 505 | 10/04/2018 23:00 | 10/08/2018 07:52 | |
| SOC 515 | 10/04/2018 23:00 | 10/08/2018 07:52 | |
| SOC 525 Pesticides | 10/04/2018 23:00 | 10/08/2018 07:52 | |
| SOC 531.2 | 10/04/2018 23:00 | 10/22/2018 07:52 | |
| SOC 547 Glyphosate | 10/04/2018 23:00 | 10/08/2018 07:52 | |
| SOC 548.1 Endothal | 10/04/2018 23:00 | 10/01/2018 07:52 | |
| SOC 549 Diquat | 10/04/2018 23:00 | 10/01/2018 07:52 | |

Containers Supplied:

| | | | | |
|---|---|-----------------------------------|---|---|
| Amber Glass, 1000mL; Na2S2O3 (B) ✓ | Amber Glass, 1000mL; Na2S2O3 (C) ✓ | VOA Vial, 40mL; Na2S2O3 (D) ✓ | VOA Vial, 40mL; Na2S2O3 (E) ✓ <i>Rgt. Broken.</i> | VOA Vial, 40mL; Na2S2O3 (F) ✓ |
| VOA Vial, 40mL; Na2S2O3 (G) ✓ | Amber Glass, 250mL; Na2S2O3 (H) ✓ | Amber Glass, 250mL; Na2S2O3 (I) ✓ | Amber Glass, 1000mL; Na2SO3 and HCL (J) ✓ | Amber Glass, 1000mL; Na2SO3 and HCL (K) ✓ |
| VOA Vial, Amber, 40mL; MAB Buffer (L) ✓ | VOA Vial, Amber, 40mL; MAB Buffer (M) ✓ | VOA Vial, 40mL; Na2S2O3 (N) ✓ | VOA Vial, 40mL; Na2S2O3 (O) ✓ | Amber Glass, 250mL; Na2S2O3 (P) ✓ |
| Amber Glass, 250mL; Na2S2O3 (Q) ✓ | Amber HDPE, 1000mL; Na2S2O3 (R) ✓ | | | |

Sample ID: 8092193-02 Sample Name: JCWS SOC's Trip Blank
 Matrix: Drinking Water Sampled: 09/24/2018 00:00 Sample Type: Trip Blank Sampled By: Client

| | | |
|---------|------------------|------------------|
| SOC 504 | 10/04/2018 23:00 | 10/08/2018 00:00 |
|---------|------------------|------------------|

Containers Supplied:

| | |
|-------------------------------|-------------------------------|
| VOA Vial, 40mL; Na2S2O3 (A) ✓ | VOA Vial, 40mL; Na2S2O3 (B) ✓ |
|-------------------------------|-------------------------------|

| | | | |
|---------------------------------|---------------|---------------------------------|--------------------|
| Released By: <i>[Signature]</i> | Date: 9-25-18 | Received By: <i>[Signature]</i> | Date: 9/26/18 1011 |
| Released By: | Date: | Received By: | Date: |

Initials: *[Signature]* Cooler Temp: °C
 Cooler #: Therm ID: 354
 Ship Carrier: FedEx: DHL: Tracking #: 1Z E98 F26 31 658 5311

Study Seals Present? Present Seals Intact? Sealed on Ice? C/Lbls Complete In Good Cond? Direct Containers? Direct Samp Vol? Direct Preservation? Adspace/Volatiles?

Reported: